

**SKILLS FRAMEWORK FOR WORKPLACE SAFETY AND HEALTH  
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT**

<b>TSC Category</b>	Workplace Safety and Health Management					
<b>TSC</b>	Workplace Safety and Health Supervision in Tunnelling Construction					
<b>TSC Description</b>	Apply appropriate control and safety measures when supervising deep excavation and tunnelling construction works common safety					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
		<b>WPH-WSH-2085-1.1</b>	<b>WPH-WSH-3085-1.1</b>			
		Identify common safety and health hazards and support appropriate control measures when executing deep excavation and tunnelling construction works	Identify common safety and health hazards and take appropriate control measures when supervising deep excavation and tunnelling construction works			
<b>Knowledge</b>		<ul style="list-style-type: none"> <li>• WSH legal and other requirements relevant to deep excavation and tunnelling works</li> <li>• WSH hazards including personal health issues associated with deep excavation and tunnelling works</li> <li>• Unsafe work conditions including personal health issues and practices</li> <li>• Safety planning and organisation for deep excavation and tunnelling works</li> <li>• Gaps in the existing control measures</li> <li>• Appropriate corrective actions and preventive actions</li> </ul>	<ul style="list-style-type: none"> <li>• WSH legal and other requirements relevant to deep excavation and tunnelling works</li> <li>• WSH hazards including personal health issues associated with deep excavation and tunnelling works</li> <li>• Unsafe work conditions including personal health issues and practices</li> <li>• Safety planning and organization for deep excavation and tunnelling works</li> <li>• Gaps in the existing control measures</li> <li>• Appropriate corrective actions and preventive actions</li> <li>• Health considerations in deep excavation and tunnelling works</li> <li>• Types and characteristics of Decompression Illnesses (DCI)</li> <li>• Evacuation and rescue procedures</li> <li>• Communication system in deep excavation and tunnelling works</li> </ul>			

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<p><b>Abilities</b></p>		<ul style="list-style-type: none"> <li>• Support in safe work practices and risk control procedures</li> <li>• Participate in workplace safety and health management activities</li> <li>• Support workplace emergency response procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Explain and interpret WSH legislations and other requirements relevant to deep excavation and tunnelling works</li> <li>• Identify WSH hazards including personal health issues including unsafe work conditions and practices in a deep excavation and tunnelling work-site</li> <li>• Evaluate and control risks in accordance to the organizational Risk Management Plan</li> <li>• Identify gaps in the existing control measures and report to management for appropriate corrective actions and preventive actions</li> <li>• Monitor and review the health condition of workers in a compressed air environment</li> <li>• Assist in the evacuation of workers in an emergency situation</li> </ul>			
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